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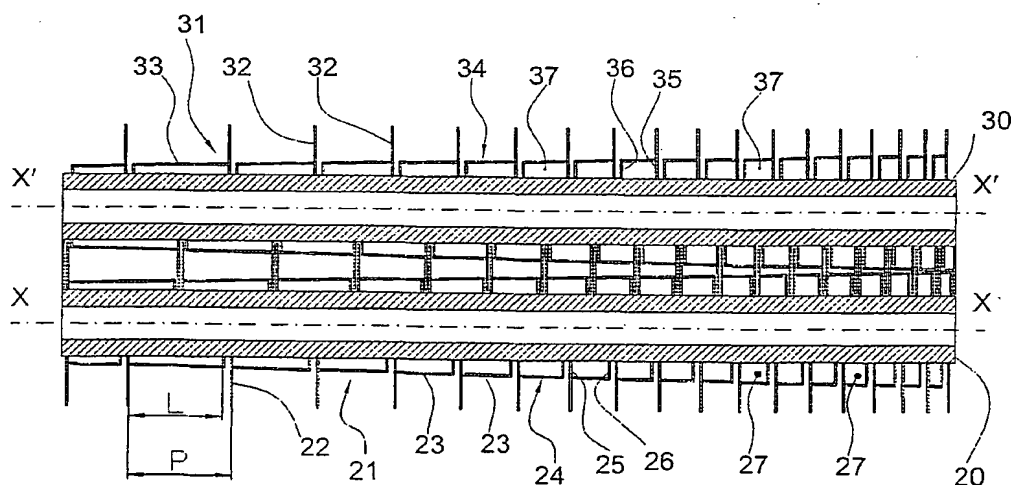
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(54) Title: SCREW PRESS FOR SQUEEZING OUT FIBROUS MATERIAL



(57) Abstract: A screw press (1) for pressing fibrous material, in particular sugar beet pulp, comprising: - a pair of adjacent counter-rotating shafts (20, 30) having their axes (X-X, X'-X'), disposed parallel to each other, said shafts (20, 30) each being provided externally with a helical structure winding in the opposite direction to the helical structure of the other shaft; - a perforated walled filtering cage (4) enclosing said helical structures (21, 31) as an exact fit; - a loading hopper (10) for feeding the fibrous material to the press (1); - a discharge aperture (11) for the exit of the pressed material; - a collection sump (12) positioned externally to said filtering cage (4); in which each box-like helical structure (21, 31) comprises a helix (22, 32) and a helical element (23, 33), comprising at least one perforated surface (24, 34) and forming a helical interspace (27, 37) with the outer surface of the shaft (20, 30), said perforated surface (24, 34) having a length (L) along the axis (X-X, X'-X') of the shaft (20, 30) which at every point is less than the pitch (P) of the helix (22, 32) by an amount sufficient to receive the helix (32, 33) of the adjacent shaft (30, 20).



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